

ABSTRACT OF THE DISCLOSURE

A spherical inner surface 5 of the outer race 1 and track grooves in the outer race 1 are each defined by a post-hardening cut surface. A spherical
5 outer surface 6 of the inner race 2 and track grooves in the inner race 2 are also each defined by a post-hardening cut surface. A retainer 4 has a spherical outer surface 10, a spherical inner surface 11 and inner surfaces of the pockets 9, all of which are defined by a post-hardening cut surface. Respective surfaces of the retainer 4, the outer race 1 and the inner race 2 which contact with each other are
10 formed with a surface treatment layer for reducing a frictional resistance.